

**Regional Sustainability and
Environmental Sciences
(RESES) Research Program –
Landfill Project**

Photo credit: Anita Moore-Nall

WHAT IS RESES?

TEAM MEMBERS

EPA Region 10: Angel Ip, Michelle Davis, Rob Elleman

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Partners: Edda Mutter, Yukon River Inter-Tribal Watershed Council, Joe Sarcone, Alaska Pacific University; Lynn Zender, Zender Group, Lori Verbrugge, Agency for Toxic Substances and Disease Registry

Tribal Collaborators: You!

PREVIOUS WORK

A preliminary EPA Regional Applied Research Effort (RARE) studied the "Fate and Effects of Leachate Contamination on Alaska's Tribal Drinking Water Sources" (Patterson et al., 2013).



EPA RARE Study - First effort to investigate connections between rural Alaskan dumps and surface water, while applying a community-based participatory research model with five partner villages.

MOTIVATIONS

- We are addressing shared concerns and feedback from Alaska Tribes and Villages regarding the potential impacts of landfills.
- Tribes and Villages are leaders in improving waste management but are working with limited resources.
- We aim to co-produce knowledge with Tribes and Villages and enhance efforts towards voluntary programs and increased support from state, federal, and local entities.



Good News Bay - before



Good News Bay - after

Photo credits: Michelle Davis

CO-PRODUCTION OF KNOWLEDGE

- 1. Identify Potential Partners & Build Relationships (Tribes self-nominate)
- 2. Assess current knowledges & Plan Research
- 3. Generate New Knowledge
- 4. Communicate Findings & Apply Knowledge

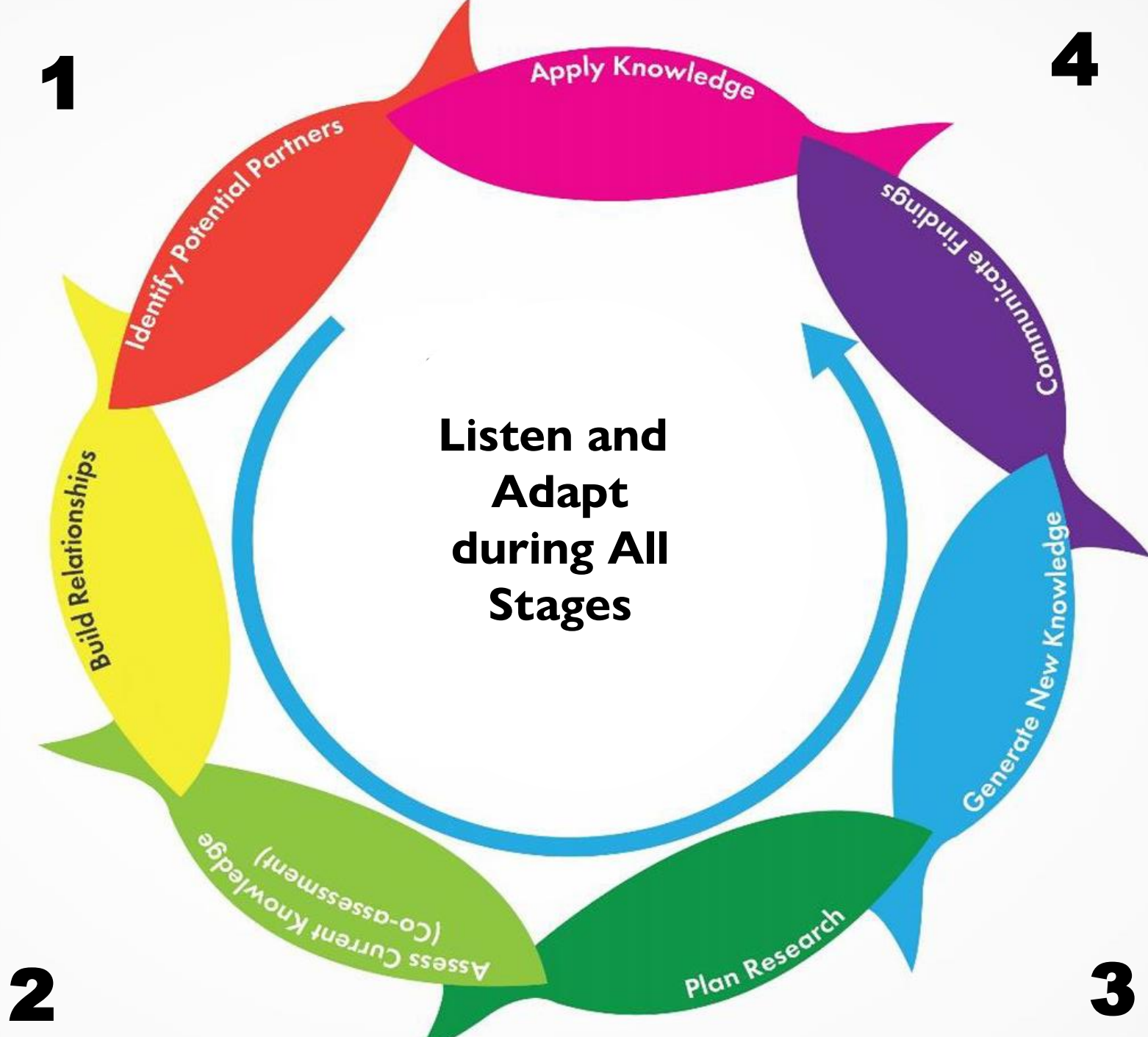


Figure adapted from Cooke et al., 2020



**Thank You For Giving Us
Some of Your Time!**

QUAYANA!

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